TRANSLATION PATENT COOPERATION TREATY POT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference WO4-42303N				FOR FURTHER ACT	TION	See Form PCT/IPEA/416				
International application No.				International filing date (day/month/year)	Priority date (day/month/year)				
PCT/JP2005/002494				17.02.2005		19.02.2004				
International Patent Classification (IPC) or national classification and IPC										
H04L12/28(2006.01), H04Q7/38(2006.01)										
Applicant										
NEC	NEC Corporation									
1.	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.									
2.	This R	EPORT consi	sts of a total of	5	sheets, includin	g this cover sheet.				
3.	This re	eport is also ac	companied by A	NNEXES, comprising:						
	a. 🔀	(sent to t	he applicant and	to the International Burea	u) a total of 5	sheets, as follows:				
						amended and are the basis for this report and/or				
	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental									
	Box.									
	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))									
	, containing a sequence listing and/or tables									
	related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
	This									
4.	I mis re	eport contains	indications relati	ing to the following items:						
	\bowtie	Box No. I	Basis of the	ereport						
	Ш	Box No. II	Priority							
		Box No. III	Non-establi	ishment of opinion with reg	f opinion with regard to novelty, inventive step and industrial applicability					
		Box No. IV	Lack of uni	ty of invention	of invention					
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;									
	citations and explanations supporting such statement									
Box No. VI Certain documents cited										
	\vdash	Box No. VII Certain defects in the international application								
	Box No. VIII Certain observations on the international application									
Date of submission of the demand					Date of completion of this report					
Name and mailing address of the IPEA/JP					Authorized officer					
Facsimile No.					Telephone No.					

International application No.

PCT/JP2005/002494

Box	No. I	ĺ	Basis of the report							
1.		_	I to the language, this report is based on the internationder this item.	nal application in the language in	which it was filed, unless otherwise					
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:									
		international search (Rule 12.3 and 23.1(b))								
		publication of the international application (Rule 12.4)								
			international preliminary examination (Rule 55.2 and	(or 55.3)						
2.	rece	Vith regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the eceiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to its report):								
		the in	international application as originally filed/furnished							
	\bowtie	the de	escription:							
		pages	1-24		as originally filed/furnished					
		pages	*	received by this Authority on						
		pages	*	received by this Authority on						
	\boxtimes	the cla	aims:							
		nos.	2-12,14-27,29-31,34		as originally filed/furnished					
		nos.*		as amended (togethe	r with any statement) under Article 19					
		nos.*	1,13,28,32,33,35	received by this Authority on	2005.11.30					
		nos.*		received by this Authority on						
	\boxtimes	the dr	awings:							
		sheets	s fig. 1-21		as originally filed/furnished					
		sheets								
		sheets								
		a sequ	uence listing and/or any related table(s) – see Supplem							
3.		The a	e amendments have resulted in the cancellation of:							
			the description, pages							
			the claims, nos.							
			the drawings, sheets/figs							
		the sequence listing (specify):								
		any table(s) related to sequence listing (specify):								
4.			This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).							
			the description, pages							
			the claims, nos.							
			the drawings, sheets/figs							
			the sequence listing (specify):							
			any table(s) related to sequence listing (specify):							
*	If ite	ет 4 арј	plies, some or all of those sheets may be marked "sup	erseded."						

2. Citations and explanations (Rule 70.7)

Document 1: JP 2003-198571 A (International Business Machines Corp.), 11 July 2003

Document 2: JP 2003-110570 A (Masupuro Denko Kabushiki Kaisha), 11 April 2003

Claims 1 to 3, 7, 9, 13 to 15, 19, 21, 28, 30, 32, 33 and 35

Document 1 discloses a wireless communication system that includes wireless base stations to be managed (i.e., access points (APs)) that have unique identifiers (i.e., Service Set Identifiers (SSIDs)), said wireless communication system being characterized by the inclusion of a means for detecting unauthorized wireless stations, which detects the presence or absence of unauthorized wireless stations based on the aforementioned unique identifiers that are included in the wireless frames (i.e., based on a comparison of the collected AP list and the registered AP list) (refer to fig. 6). In addition, document 1 also describes manipulating the router to which an unauthorized AP is connected in order to prohibit both the transmission of data to the unauthorized AP and the reception of data from the unauthorized AP (paragraph [0039]).

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

In the invention disclosed in document 1, the APs are specified by detecting the SSIDs thereof; therefore, it is obvious that the SSIDs correspond to the APs.

Such being the case, it would have been obvious to a person skilled in the art to assign a different SSID to each of the APs in the invention disclosed in document 1.

Claims 4, 5, 16 and 17

Documents 1 and 2 do not disclose or suggest determining the type and/or the manufacturer of an unauthorized wireless station from the Basic Service Set (BSS) identifier thereof.

Claims 6, 18, 25 to 27, 31 and 34

Documents 1 and 2 do not disclose or suggest obtaining unique identifiers from the wireless base stations to be managed.

Claims 8, 20 and 29

Documents 1 and 2 do not disclose or suggest providing a means for notifying the wireless communication terminals to be managed that the use of unauthorized wireless stations is prohibited.

Claims 10, 11, 22 and 23

Document 2 discloses a technique for determining whether a wireless terminal is an authorized terminal or an unauthorized terminal based on whether the SSIDs match or not.

However, document 2 does not disclose or suggest the configuration wherein the means for detecting unauthorized wireless stations notifies the wireless base

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

stations to be managed of unauthorized wireless communication terminals and thereby makes it impossible to communicate with the unauthorized wireless communication terminals that are connected to the wireless base stations to be managed.

Claims 12 and 24

Documents 1 and 2 do not disclose or suggest the configuration wherein the means for detecting unauthorized wireless stations notifies the wireless base stations that are within the range of an unauthorized wireless station of the identifier for identifying the Service Set Identifier of the unauthorized wireless station, and then a wireless base stations to be managed cancel the wireless frames that are received from wireless communication terminals that were connected using a value equal to that of the SSID in question.